

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A ceramic heater, wherein comprising a resistance heating element arranged on a surface of a disc-shaped non-oxide ceramic substrate or inside the substrate,

characterized in that said wherein the resistance heating element is composed of divided into two or more circuits and comprises a mixture of a resistance heating element having a concentric or spiral pattern and a resistance heating element having a pattern of a winding line, and

wherein the resistance heating element having the pattern of the winding line is formed at least in a peripheral portion of the substrate.

Claim 2 (Currently Amended): A ceramic heater, wherein comprising a resistance heating element arranged on a surface of a disc-shaped non-oxide ceramic substrate or inside the substrate,

characterized in that said wherein the resistance heating element is composed of divided into two or more circuits and comprises a mixture of a resistance heating element having a concentric or spiral pattern and a resistance heating element having a pattern of repeated winding lines, and

wherein the resistance heating element having the pattern of the repeated winding lines is formed at least in a peripheral portion of the substrate.

Claims 3-4 (Cancelled).

Claim 5 (Currently Amended): The ceramic heater according to ~~any of claims 1 to 3~~
claim 1,

wherein said ceramic substrate is made of a nitride ceramic.

Claim 6 (Currently Amended): The ceramic heater according to ~~any of claims 1 to 3~~
claim 1,

wherein said ceramic substrate is made of a carbide ceramic.

Claim 7 (New): The ceramic heater according to claim 2,

wherein said ceramic substrate is made of a nitride ceramic.

Claim 8 (New): The ceramic heater according to claim 2,

wherein said ceramic substrate is made of a carbide ceramic.

Claim 9 (New): The ceramic heater according to claim 1,

wherein said resistance heating element comprises metal particles or a conductive
ceramic.

Claim 10 (New): The ceramic heater according to claim 1,

wherein said ceramic substrate has a through hole into which a lifter pin is inserted.

Claim 11 (New): The ceramic heater according to claim 2,

wherein said resistance heating element comprises metal particles or a conductive
ceramic.

Claim 12 (New): The ceramic heater according to claim 2,
wherein said ceramic substrate has a through hole into which a lifter pin is inserted.

DISCUSSION OF THE AMENDMENT

Please note that this Supplemental Preliminary Amendment corrects all multiple dependent claims, and we are therefore not including the multiple dependent claim fee, as noted on the Notice to File Missing Parts of Nonprovisional Application (**enclosed herewith**).

Claims 1 and 2 have been amended as supported in the specification at page 11, lines 7-10, and by incorporating the subject matter of Claims 3 and 4, respectively, therein. Claims 3 and 4 have been cancelled. Claims 5 and 6 have each been amended to depend on Claim 1.

New Claims 7-12 have been added. Claims 7 and 8 are analogous to Claims 5 and 6, but depend on Claim 2. Claims 9 and 11 are supported in the specification at page 14, lines 13-15. Claims 10 and 12 are supported in the specification at page 9, lines 19-21.

Presently-pending Claims 1 and 2 are equivalent in scope to Claims 11 and 14, respectively, as submitted in the amendment filed June 2, 2003, in the parent application.

No new matter has been added by the above amendment. Claims 1-12 are now pending in the application.